
SENIOR LEAN DIGITAL EXPERT LEARNING PROGRAM

– Introduction to the program and registration process –

Information package

Düsseldorf, 30. October 2023

Senior Lean Digital Expert Learning Program at a glance

Target group & requirements



- Department heads and group leaders from operations, plant logistics, maintenance or production planning, innovative Industrial Engineers or process designers, Drivers of Lean and Digital Innovations, upcoming Digital Experts and Smart Factory Designers
- 3-5 y's operations, engineering, SCM experience
- Lean Know-how at Lean Expert Level
- Project Management experience: own projects already led with KPIs, Time, Content, Budget

Conditions



- 12 - 15 Participants
- Virtual training with real Gemba live sessions from the Gigaset shopfloor, remote group coaching
- German / English
- Certification as a Senior Lean Digital Expert from Ruhr University Bochum
- Included: Scrum Training sequences and PSM I Assessment-Voucher for Scrum Master-Title
- 9.900 € / participant – expected project savings at plant of 50k€ in 1st and >200 k€ after 3rd year

Scope (Proportionate focal points)



Lean



Agile



Digital

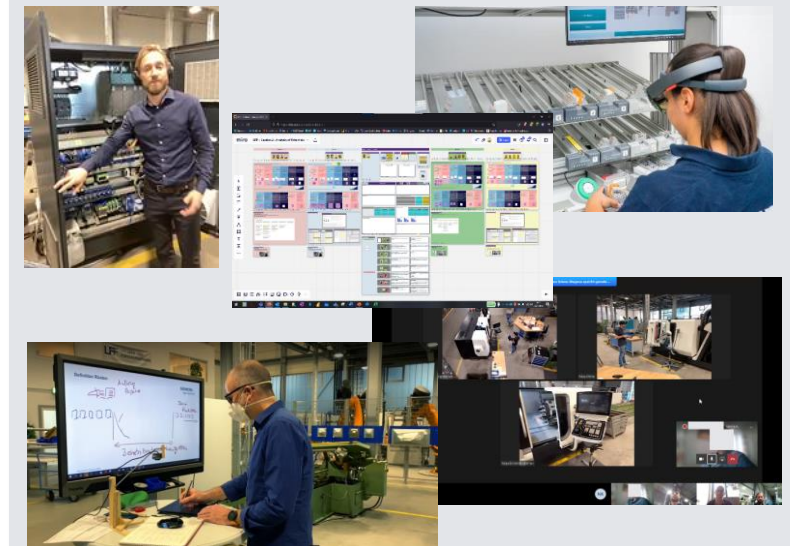
Concept

- Lean Digital Expert competence with Lean and Digitalization expertise to understand and transform today's Lean Smart Factory requirements
- 18 training days, up to 100 hours
- Included: Group coaching sessions tailored to training modules
- Accompanying implementation of individual & certifiable practical projects in your plant
- Included: individual personal coaching by LMX Expert Mentors for Lean, Digitalization, Change
- Real Gemba live sessions integrated via web
- Online tests to round off the knowledge
- Certified as a Senior Lean Digital Expert by Ruhr University of Bochum and LMX
- Possibility to be certified Scrum Master
- Duration approx. 8 months total

Highlights

- Interactive, multifaceted online training with deep dives on Lean Value Streams and Smart Factory system applications (hardware & software)
- Live features broadcasted from Gigaset shopfloor and Learning and Research Factory Bochum
- Better personal time management through sequenced training modules, no travel expenses
- Individual 1:1 coaching sessions in 8-month project phase assure savings of 50 k€ already within 1st year
- Analysis and Design of Future Smart Factory Value Stream Systems – Focus Lean and Digital
- The targeted selection of media used: digital whiteboard, quiz tools, online surveys and MS Teams puts the focus on the participant and turns theory into live experiences.
- Leading your agile project as a Scrum Master

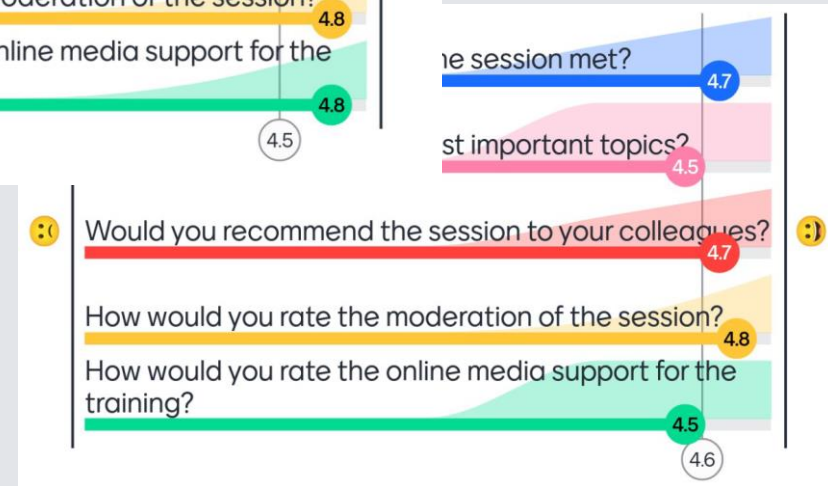
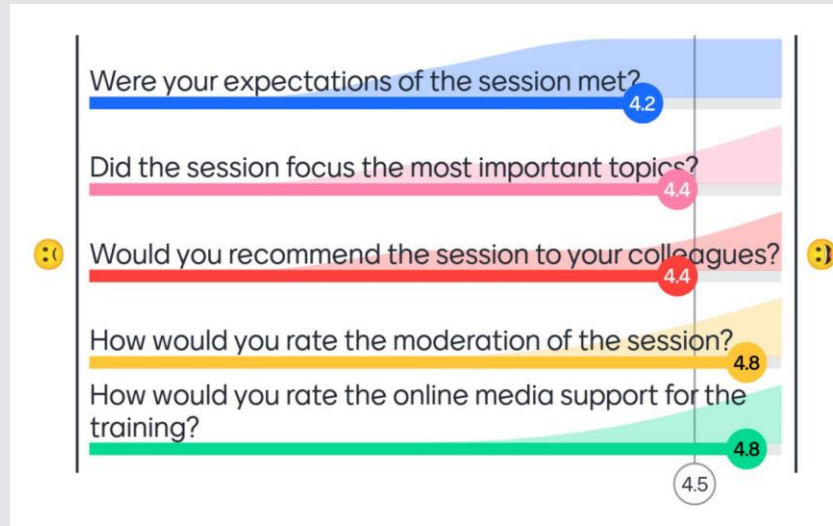
Impressions



Feedback from the previous run

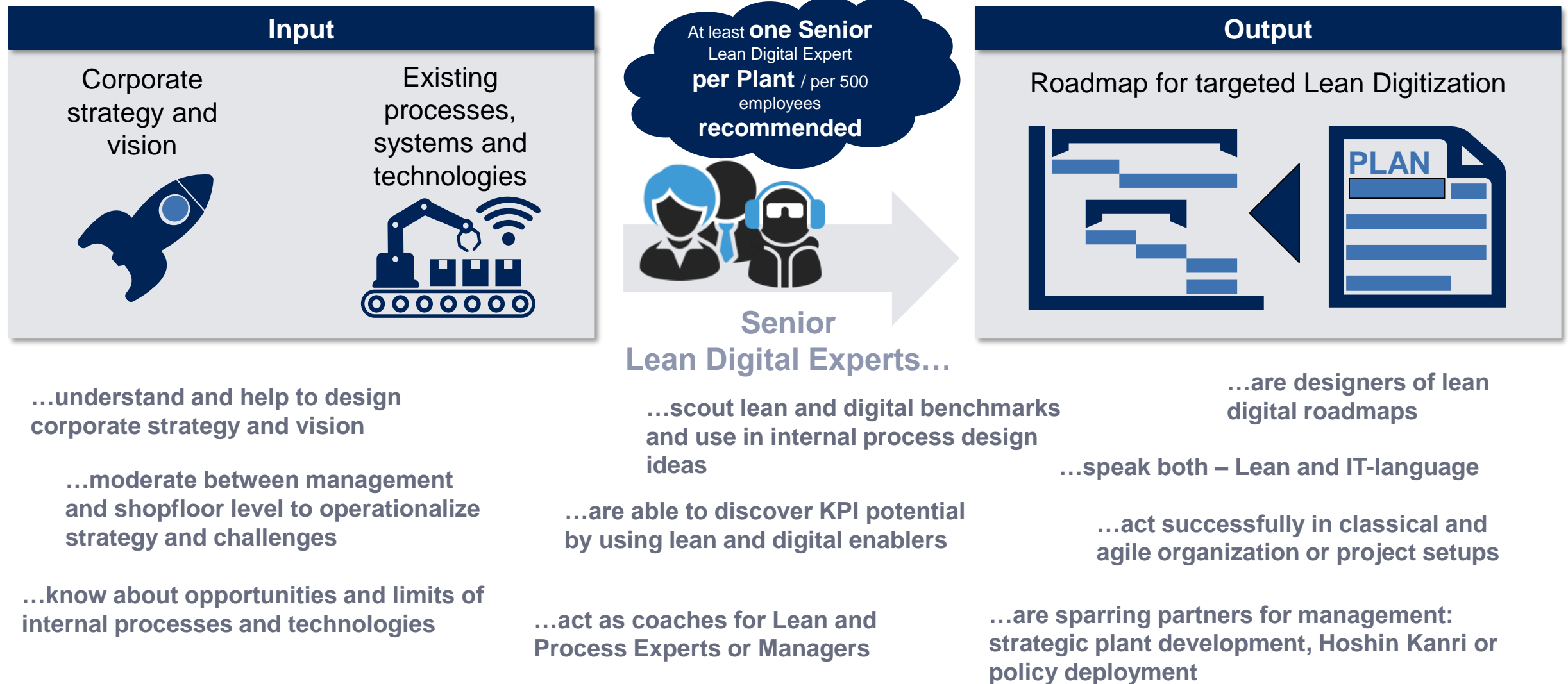


Beside personal Coaching and Project Guidance, on a general high level of commitment in all fields, upcoming **Senior Lean Digital Expert** participants appreciate media delivery and installed trainers of program



Rate: 1 = 😞 to 5 = 😊

Competences of Senior Lean Experts have been enriched: from Senior Lean Expert to Senior Lean Digital Expert – both skills built a platform for successful plant transformation



Main target group for Senior Lean Digital Experts are process trendsetters and sparring partners of management: all innovators, who create value in your future smart factories

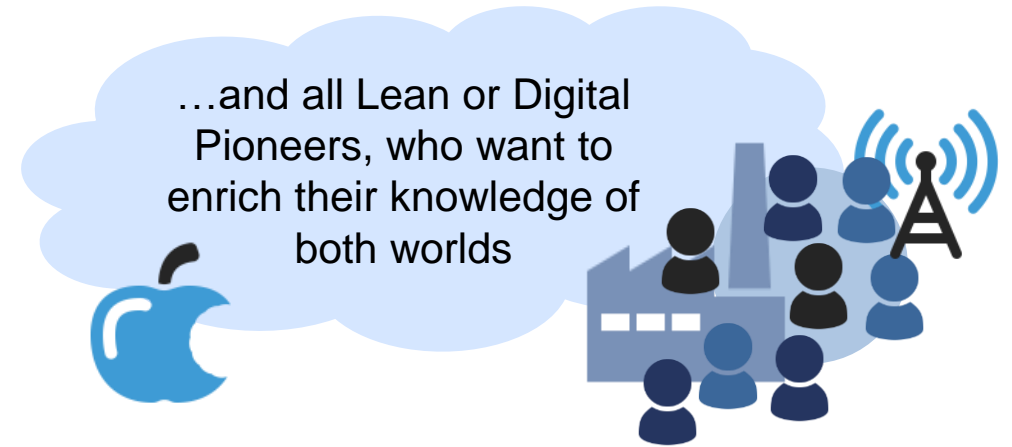
Participants typically come from the following functions...

- Department heads and group leaders from operations, plant logistics, maintenance, shopfloor IT or production planning
- Innovative Industrial Engineers or process designers
- Lean Experts and Drivers of CIP in Business Excellence processes or operative functions
- Upcoming Digital Experts and Smart Factory Designers



Requirements: Participants should have the following skills

- 2-3 years manufacturing or SCM processes experience
- Lean Know-how at Lean Expert Level
- Experiences in project management
- Open mindset for Digitalization and IT related topics

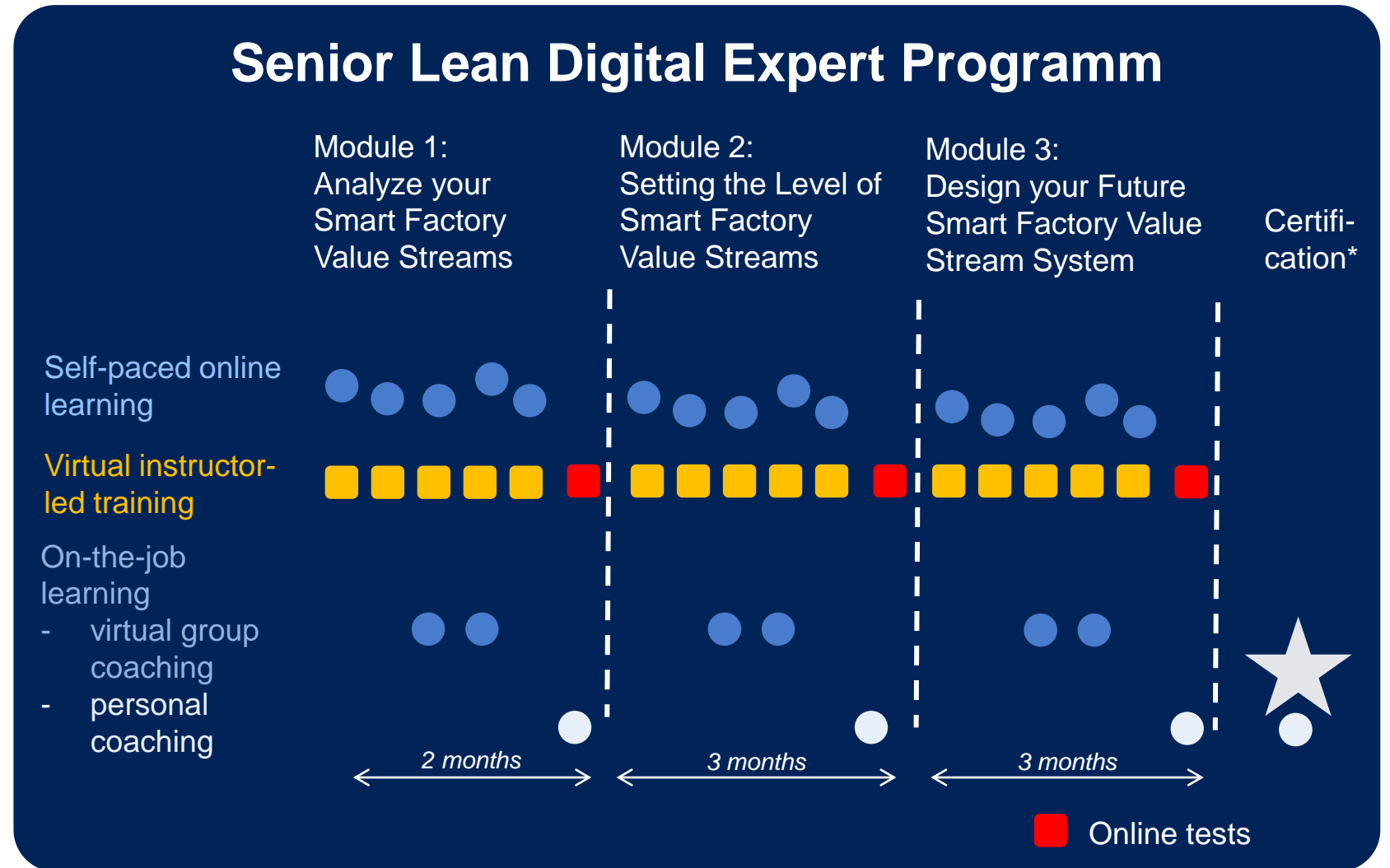


Theory, personal coaching and project work with more than at least 50k€ savings at plant – participants are led to a certification as Senior Lean Digital Expert and as Scrum Master

Included:

- Up to 100 hrs of training and group coaching
- 16 hrs of individual coaching per participant until certification
- **Project savings expectation of at least 50 k€** within first implementation year **and >200 k€** after 3rd year
- **Certification** as a Senior Lean Digital Expert from **Ruhr University Bochum** and LMX.
- **Scrum Training** sequences and PSM I Assessment-Voucher for certified Scrum Master-Title
- **No additional costs:**
 - all training infrastructure costs included
 - All licenses to use training software or learning factory costs included

➔ ● Fee per participant
9.900 €



* Criteria for certification: participation at training sessions, successful online tests, delivered project

Learning journey of Senior Lean Digital Experts will ramp up and always combine lean and digitalization success factors – on training and on individual project level



Senior Lean Digital Experts will follow their qualification journey through 3 modules

Training module level

Individual Project module

Module 1: Analyze Smart Factory Value Streams

2 months

- Lean Fundamentals and common understanding of synchronized Value Streams
- Synergies of Lean and Digitalization
- Understanding Shopfloor IT-Systems and architecture
- Manufacturing Intelligence and E2E understanding of Smart Factory Value Streams incl. indirect areas and BPMN
- Value Stream Management for Smart Factories: Analysis of Potentials via VSM4SF and other Add-ons

Smart Factory Project Setup – Analyze your Smart Factory Value Streams

Module 2: Setting the Level of Smart Factory Value Streams

3 months

- Enablers of a Smart Factory – toolbox
- (Online) live best practice visit Digital Plant Simulation and AI in Manufacturing
- Status-Quo current Factory state – lean and digital maturity potential analysis
- Scrum and Agile Work - Theory and case study
- Group Coaching Event

Smart Factory Value Stream System: Analysis of Potential and scouting best practice solutions

Module 3: Design your Future Smart Factory Value Stream System

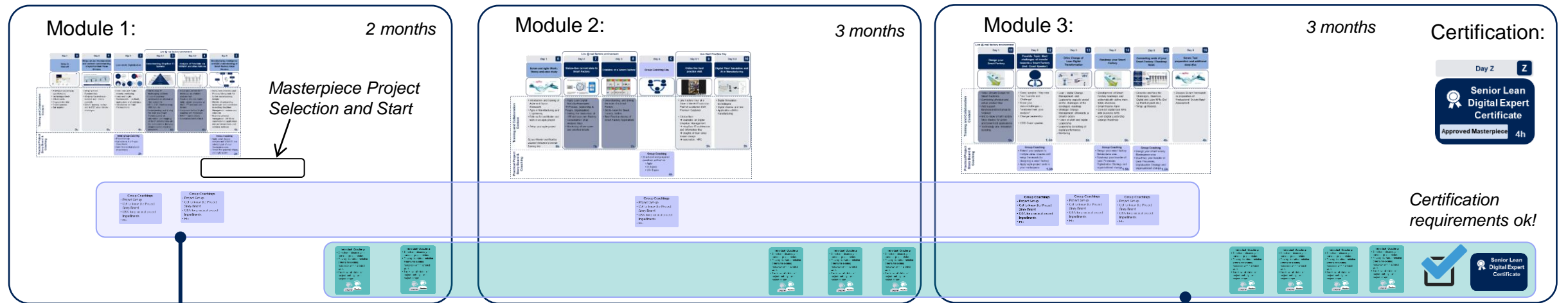
3 months

- Design your Smart Factory and quantify potential
- Roadmap your Smart Factory
- Meet challenges at transfer towards a Smart Factory (incl. Guest Speaker) + Group Coaching
- Connect the ends at a Smart Factory and Roadmap finish
- Scrum Test preparation and additional deep dive
- Drive Digital Transformation Change

Design your future Smart Factory Value Stream System and develop Lean Digital Roadmap

- Live features** broadcasted from a factory environment
- Live features** broadcasted from benchmarking plant at LMX-best practice-Partner **Gigaset**

Individual project coaching with selected LMX mentors* upon your requirements is included in your training fee as your personal coaching time budget. Your choice!



Groupcoaching-Sessions – during training

- ✓ Lead Trainer giving framework
- ✓ Expert Coaches according to Training-Topic participating
- ✓ Deepen Training Contents
- ✓ Practical projects examples you want to share and questions you have
- ✓ Networking



Individual 1:1 Coaching-Sessions – during project phase

- ✓ Discuss and coach your individual project challenges
- ✓ Can be split in several 1:1 remote sessions
- ✓ Personal time budget about 16h along project timeline including certification
- ✓ Different LMX-Expert professionals depending on topic as coaches possible
- ✓ Non-disclosure assured
- ✓ You decide when, whome and for which topic to call







Group coachings getting you future Seniors Lean Digital experts together
 Individual and confidential coaching session in your pull-signal
 LMX Experts for different training and project problem solving topics

*see following slide: mentors for lean and smart factory tools, change, IT shopfloor architecture, agile work

Your coaches will provide a bunch of experience during group and individual coaching coaching sessions through various methods and practical solutions around lean digitalization



					
Name/ Function	Christian Jagla, Partner at LMX	Judith Fellsches, Partner at LMX	Prof. Christian Magnus, Professor University of Applied Sciences	Alexander Schnichels, Senior Consultant at LMX	Felicitas Kell, Project Manager at LMX
Role in Training Program	<ul style="list-style-type: none"> Lead Trainer Program Management Mentoring Certification process 	<ul style="list-style-type: none"> Trainer Business Process Management Program Management Mentoring 	<ul style="list-style-type: none"> Trainer Smart Factory Design and Shopfloor IT Applications Mentoring 	<ul style="list-style-type: none"> Trainer Smart Factory Design and Lean Digitalization Mentoring 	<ul style="list-style-type: none"> Training Change Management Mentoring
Key competencies	<ul style="list-style-type: none"> Lean Management Hoshin Kanri Strategy deployment 	<ul style="list-style-type: none"> Business Process Management & Optimization Digitalization of processes Lean Transformation 	<ul style="list-style-type: none"> Smart Factory Design Shopfloor IT Systems and Architecture 	<ul style="list-style-type: none"> Smart Factory Design Lean Manufacturing 	<ul style="list-style-type: none"> Lean Change Management Hoshin Kanri, Policy Deployment
LinkedIn	https://www.linkedin.com/in/christian-jagla-a3664216a/	https://www.linkedin.com/in/judith-fellsches-b29b44128/	www.linkedin.com/in/christian-magnus/	www.linkedin.com/in/alexander-schnichels/	www.linkedin.com/in/felicitas-kell-64719a71/

...and furthermore

Participants participate exclusively "remotely" and require the usual equipment for mobile work

Remote equipment



PC or laptop with camera turned on
Optional: Second screen



Stable broadband Internet connection



Quiet, undisturbed environment



Preferably headset with micro

Tools used in training

- For the training, the participants receive access for the tools used within the training
- **Administration rights are not necessary!**

- Communication Tools: MS Teams and MS SharePoint



Microsoft Teams



SharePoint

- Digital whiteboard: Miro



- Surveys: Mentimeter



Mentimeter

Planned time schedule of program – training and group coaching slots

Modules	Title	Step	Duration
Modul 1	Kick-Off	B0	2 h
Modul 1	Common understanding of synchronized Value Streams	B1	5 h
Modul 1	Lean meets Digitalization (+Coaching 2h)	B2	7 h
Modul 1	Understanding Shopfloor IT Systems	B3	6 h
Modul 1	Analysis of Potentials via VSM4SF	B4	6 h
Modul 1	Manufacturing Intelligence and E2E-BPMN (+Coaching 2h)	B5	7 h
Modul 2	Scrum and Agile Work	B6	8 h
Modul 2	Status Quo Current state Smart Factory	B7	7 h
Modul 2	Enablers of a Smart Factory	B8	7 h
Modul 2	Group Coaching Day (Coaching 4h)	B9	4 h
Modul 2	Online best practice visit, Digital Plant Simulation and AI (+Coaching 1,5h)	B10	8 h
Modul 3	Design your Smart Factory	B11	5 h
Modul 3	Meet challenges towards Smart Factory (incl. Guest Speaker)(+Coach. 1,5h)	B12	3 h
Modul 3	Drive Change of Lean Digital Transformation	B13	5 h
Modul 3	Roadmap your Smart Factory (+Coaching 1,5h)	B14	6,5 h
Modul 3	Connecting ends of your Smart Factory (+Coaching 1,5h)	B15	5,5 h
Modul 3	Scrum Test preparation deep dive	B16	4 h

Next Start planned
Spring 2024

The application process at a glance

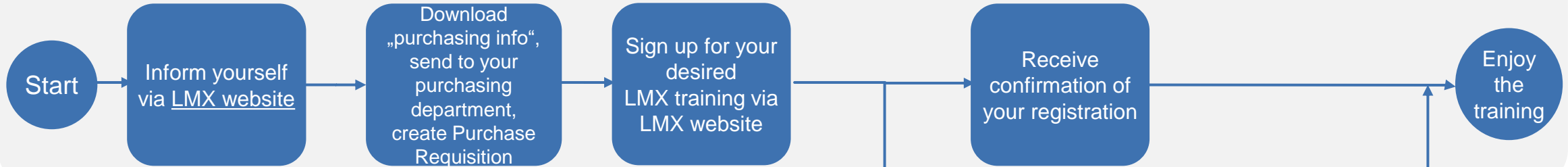
Registration via LMX website-link
<https://www.lmx.eu/veranstaltungen>:



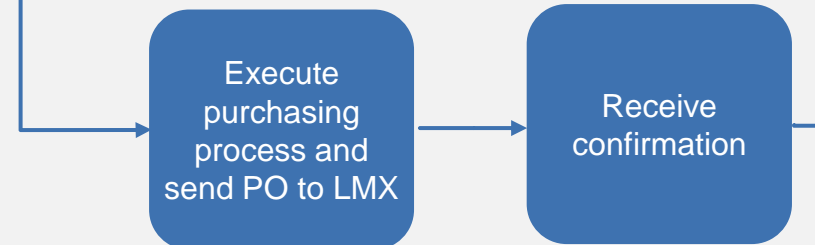
All upcoming Senior
Lean Digital Experts



Participant



Your Purchasing Department



Direct contact LMX

Please don't hesitate to contact LMX with all organizational matters around the training



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Web: <https://www.lmx.eu/veranstaltungen>

Based on the close cooperation with the Ruhr University Bochum, we have jointly founded 2 successful startups for further education and Smart Factory

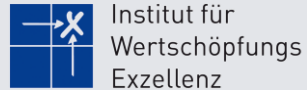
LMX GROUP

&

**RUHR
UNIVERSITÄT
BOCHUM**

RUB

LPS
LEHRSTUHL FÜR
PRODUKTIONSSYSTEME



Institut für
Wertschöpfungs
Exzellenz

**Qualification for
Professionals**

on site or online



nexpro.digital

**Your Shopfloor
Experts for the
Smart Factory**

Value Stream Management for Smart Factories	Smart-Factory-Maturity Assessment	Smart-Factory-Vision, Strategie und Roadmap	Digitales Shopfloor-management & Dashboarding	Assistenzsysteme
Automatisierung (Analysephase)	Smart Maintenance	Shopfloor-IT-Systeme (z. B. MES, BDE, MDE)	Retrofitting	Zielgruppen-spezifische Smart Factory Trainings & Touren



LFF

LPS LERN- UND
FORSCHUNGSFABRIK

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